

EXHIBIT 18

Dr. David Schymeinsky, O.D.
Dr. George Contos, O. D.
462 East Calaveras Blvd., Milpitas, Ca 95035
Tel:(408) 262-4178 Fax:(408) 262-5351

Milpitas Family Eyecare

To: 1) _____
2) _____
RE: Donahue, Justin

Date: 5/24/17
Fax # _____
Fax # _____
DOB _____
Phone # _____

OCULAR EXAMINATION REPORT

DIAGNOSIS:

Routine ophthalmic and refractive exam: New glasses prescribed/ Not prescribed
Refractive Status: myopia/ hyperopia/ astigmatism/ emmetropia/ presbyopia
Binocular status: normal accommodative fatigue
 Age Related Macular Degeneration: Dry Wet Mild Moderate Severe
 Diabetes with / without diabetic retinopathy Mild / Moderate / Severe
 Chronic Blepharitis/ Dry eye syndrome / Corneal Ulcer / Conjunctivitis
 Uveitis / Glaucoma Suspect / Glaucoma
 Ischemic Optic Atrophy / Herpes: Simplex / Zoster

PASSED ISHI HARA COLOR VISION
TEST TODAY - no color vision defect

TREATMENT PLAN:

FOLLOW - UP:

Recheck patient in _____ days / weeks / months / years / as needed

Thank you for allowing us to participate in the care of this patient.



Sincerely,



George Contos O.D.

David A. Schymeinsky O.D.



*Palo Alto Medical
Foundation*

A Sutter Health Affiliate

Fremont Center

3200 Kearney Street
Fremont, CA 94538
(510) 490-1222
www.pamf.org

Re: Justin Donahue
DOB: 5/27/1978
1144 Tice Drive
Milpitas CA 95035

June 7, 2017

To whom it may concern:

I saw Justin Donahue for any eye exam today. He has normal color vision based on the Ishihara 14-plate color vision test. Right eye 14/14. Left eye 14/14.

Sincerely,

V. Ko, O.D.
Virginia Ko, OD

DONAHUE_000025

UNIVERSITY OF CALIFORNIA, BERKELEY

BERKELEY • DAVIS • IRVINE • LOS ANGELES • RIVERSIDE • SAN DIEGO • SAN FRANCISCO

SANTA BARBARA • SANTA CRUZ



WAYNE A. VERDON, O.D., Ph.D., FAAO
 PROFESSOR OF CLINICAL OPTOMETRY
 ELECTRODIAGNOSTIC & VISION FUNCTIONS CLINIC

SCHOOL OF OPTOMETRY
 BERKELEY, CALIFORNIA 94720

August 4, 2017

Fitness-for-Duty Nurse
 Health and Medical Services
 Union Pacific Railroad - MS 0350
 1400 Douglas Street
 Omaha, NE 68179

RE: DONAHUE, Justin
 DOB: 05/27/1978
 Exam: 08/02/2017

I saw Mr. Justin Donahue, age 39 years, at the Optometry School at the University of California, Berkeley for color vision testing on Aug 2, 2017, in accordance with Union Pacific Railroad protocol. Photo ID was verified. No tinted lenses or contacts were worn.

Visual acuities with glasses: RE: 20/16-1
 LE: 20/20

Uncorrected visual acuities: RE: 20/160-1
 LE: 20/160-1

All testing was performed monocularly, with glasses correction, under Standard Illuminant C where appropriate.

1. **Hardy-Rittler Pseudoisochromatic Plates (4th Edition Richmond-HRR):**

OD:	Blue-yellow (Plates 5,6,21-24):	No errors	PASS
	Red-green (Plates 7-20):	No errors	
OS:	Blue-yellow (Plates 5,6,21-24):	No errors	PASS
	Red-green (Plates 7-20):	1 error	

2. **Farnsworth-Munsell 100 Hue:**

OD:	Total error score 88 (<123 for age 39 yrs in considered normal*). No axis.	PASS
OS:	Total error score 100 (<123 for age 39 yrs in considered normal*). No axis	

[*Verriest et al, 1982]

3. **Anomaloscope (Neitz, Rayleigh equation)**

OD=OS: The Rayleigh match on the Neitz anomaloscope showed a match midpoint of approximately 32.5 ± 2.5 units, with a yellow setting of 11. Responses were variable. This is suggestive of deuteranomaly.

4. **Farnsworth D-15 arrangement test:**

OD:	No errors	PASS
OS:	No errors	

Appointments: (510) 643-0134

Office: (510) 643-0683

FAX: (510) 643-5109

E-mail: verdon@berkeley.edu

DONAHUE_000026

RE: DONAHUE, Justin

Page 2

August 4, 2017

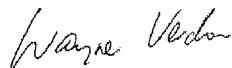
5. **Lanthony Desaturated D-15 arrangement test:**
OD: No errors **PASS**
OS: 2 single-place errors **PASS**
6. **Ishihara 24 plate Edition, plates 1-15:**
OD: One error **PASS**
OS: Two errors **PASS**
7. **Dvorine pseudoisochromatic plates 1-15:**
OD: 6 errors. No errors on color nomenclature test.
OS: 7 errors. No errors on color nomenclature test.
8. **Farnsworth Lantern (FALANT) Color Naming:**
Zero errors on 1st run **PASS**

CAD, CCT and CCVT computerized color tests are unavailable at UC Berkeley.

IMPRESSIONS:

Mr. Donahue has "clinically normal" color vision, meaning that he passes standard color tests such as the Ishihara, HRR and desaturated D15, and in a standard clinical setting he would not undergo further color vision evaluation. Anomaloscope testing does reveal an extremely mild deutanomalous defect. However, this would not be expected to interfere with his color discrimination using real world stimuli. Importantly, he passes the Farnsworth Lantern test with no errors. If I can be of assistance, please do not hesitate to contact me.

Yours sincerely,



Wayne A. Verdon, O.D., Ph.D.
Professor of Clinical Optometry



VISION FUNCTIONS CLINIC
SCHOOL OF OPTOMETRY
UC BERKELEY

ISHIHARA 24 PLATE EDITION (1968, 1968)

NAME: Justin ~~Donahue~~ Donahue

EXAMINER: NV

11/16/2017
w/Rx

DATE: 08/02/2017

Plate	Correct response	Color defective response	OD	OS
1	12	12	DO NOT SCORE	✓
2	8	3		✓
3	29	70	✓	✓
4	5	2	✓	✓
5	3	5	✓	✓
6	15	17	✓	✓
7	74	21	54 74 ✓	✓
8	6	X	8x 8x	
9	45	X	✓	✓
10	5	X	✓	✓
11	7	X	✓	✓
12	16	X	✓	✓
13	73	X	✓	✓
14	X	5	X ✓	✓
15	X	45	X ✓	45 X

Diagnostic plates:

	Proban		Deutan		OD	OS
	strong	mild	strong	mild		
16	26	6 (2)	5	2	2 (6)	26
17	42	2 (4)	2	4	4 (2)	42

X denotes plate cannot be read.

OD 1 error OS 2 errors

DONAHUE_000028

J. H. W.

W/Rx

Sample Record Form

DIVERINE PSEUDO-ISOCRHOMATIC PLATES

Name: J. H. W.

Age: 21

Date: 8/17/17

WV

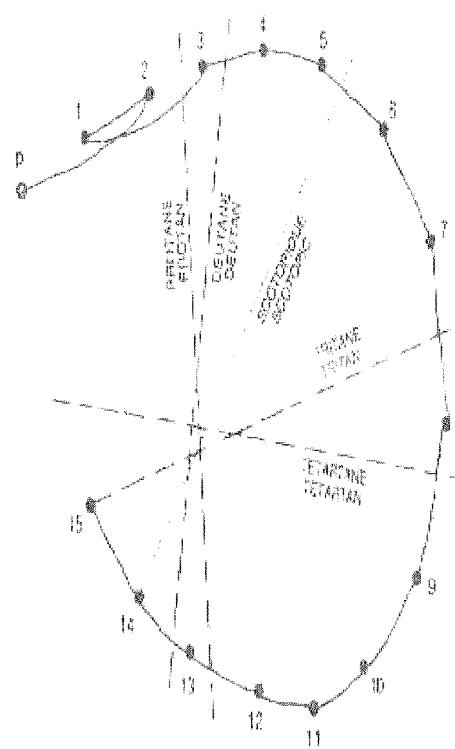
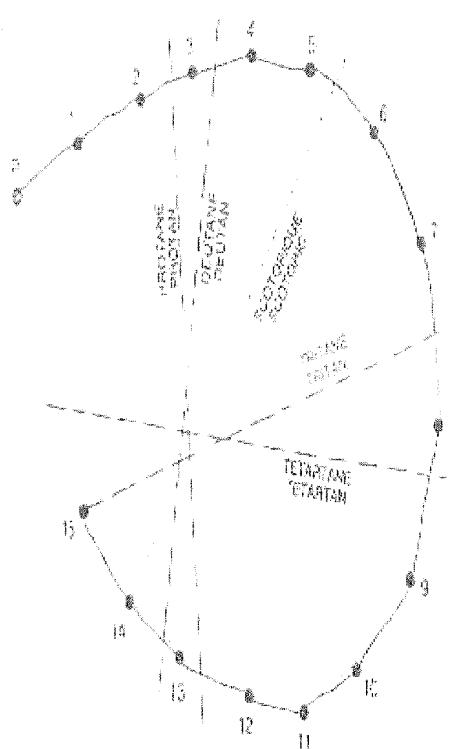
NOMENCLATURE TEST								NOMENCLATURE TEST																																																																																						
Response to saturated colors		✓	✓	✓	✓	✓	✓	Response to saturated colors		✓	✓	✓	✓	✓	✓																																																																															
Colors on disks		Red	Brown	Purple	Yellow	Blue	Green	Gray	Orange	Red	Brown	Purple	Yellow	Blue	Green	Gray																																																																														
Response to unsaturated colors		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓																																																																														
COLOR DISCRIMINATION TEST																																																																																														
Section one				Section two				Section three								Section one				Section two				Section three																																																																						
Test No.	Section	Color	Response	Test No.	Section	Color	Response	Scoring for section one				Test No.	Section	Color	Response	Test No.	Section	Color	Response	Scoring for section one																																																																										
Test No.	Section	Color	Response	Test No.	Section	Color	Response	0 to 1 misses	Normal	Test No.	Section	Color	Response	Test No.	Section	Color	Response	0 to 2 misses	Normal																																																																											
1	12	Demonstrative Plate	16	Demonstrative Plate	5 to 11	12 to 14	13 to 14	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
2	13	✓	✓	17	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
3	14	✓	✓	18	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
4	15	✓	✓	19	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100		
5	16	✓	✓	20	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100							
6	17	✓	✓	21	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100								
7	18	✓	✓	22	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100									
8	19	✓	✓	23	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100										
9	20	✓	✓	24	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100											
10	21	✓	✓	25	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100												
11	22	✓	✓	26	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100													
12	23	✓	✓	27	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100														
13	24	✓	✓	28	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100															
14	25	✓	✓	29	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																
15	26	✓	✓	30	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																	
16	27	✓	✓	31	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																		
17	28	✓	✓	32	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																			
18	29	✓	✓	33	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46</td																																																																										

TEST 15 HUE DESATURATION de LANTHONY
LANTHONY'S DESATURATED 15 HUE TEST

W/Rx, I/func

Name Justin DONAHUEAge 8 Date 8/2/2017 N° 1Name OS (LC) Diagnostic EyeTEST STANDARD, ordre donné par le sujet
STANDARD TEST, order given by the patient

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
2 1 3 4 5 6 7 8 9 10 11 12 13 14 15TEST DESATURATION, ordre donné par le sujet
DESATURATED TEST order given by the patientTEST DESATURATION
DESATURATED TEST

REF 00030

LUMA OPTIQUE LOGIC - RP 252 - 2005 CHAMPS ELYSEES - FRANCE



DONAHUE_000030

TEST 15 HUE DESATURATE de LANTHONY
LANTHONY'S DESATURATED 15 HUE TEST

u/Rx, J/Han C

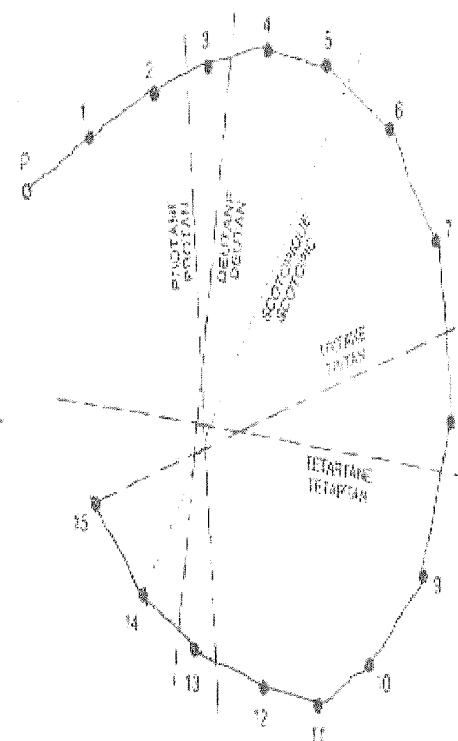
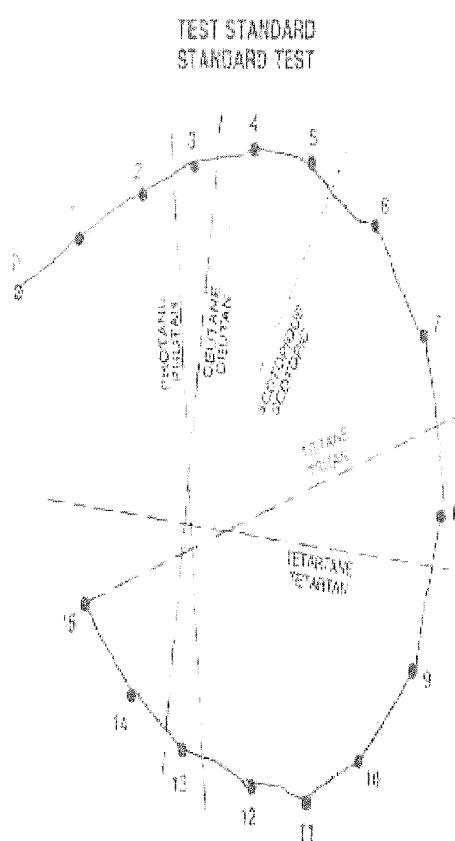
Name Justin DONAHUE Age 8 Date 8/2/2017 N°
 Name Age Date
 Sex 00 (RE) Diagnosis
 Eye

TEST STANDARD, ordre donné par le sujet.
STANDARD TEST, order given by the patient

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

TEST DESATURÉ, ordre donné par le sujet.
DESATURATED TEST order given by the patient

TEST DESATURE
DESATURATED TEST

REF.143620

DIAPO OPTIQUE 15 HUE - 1P.22 - 2206 CHARTRES DEUX-FRANCE



DONAHUE_000031

PATIENT NAME Justin Donahue

DATE 08/07/2017

W. R. B. 1802

FARNSWORTH LANTERN
SCORING TEMPLATE

ABDOMALOSCOPE

TYPE NETZ DRAFT

RED/GREEN SETTING	MATCH?	YELLOW INTENSITY
56	R	-
45	R	-
20	G	-
45	R	9
35	R	9
30	S	14
25	R	-
25	G	11
40	R	-
35	S/R	-
30	S	-

66

20	5	11
40	8	14
75	3	16
35	5	13

Variable, difficult for pt

DIAGNOSIS: Suggestive dermatomyositis

Appointments: (510) 643-0784

Office: (610) 643-0645

EAS: 1010363, 5103

DONAHUE 000032

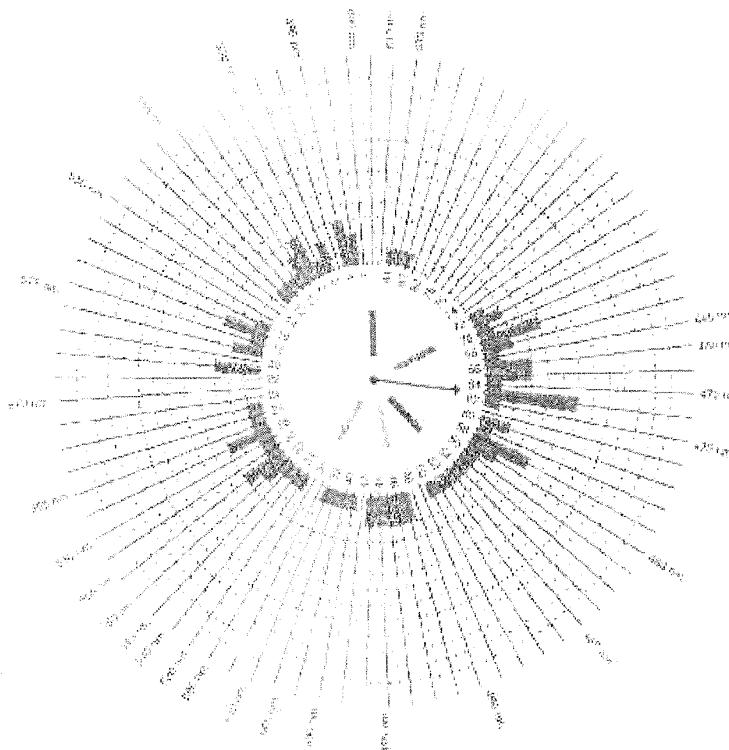
Farnsworth-Munsell 100-Hue Test / 2017-08-02

1978-05-27

Left eye

Order of color caps entered:

65, 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 13, 14, 15, 16, 18, 17, 21, 20, 19
 32, 23, 24, 25, 27, 26, 29, 31, 28, 30, 32, 34, 33, 35, 36, 37, 38, 46, 39, 41, 42
 45, 48, 49, 43, 47, 48, 49, 50, 52, 51, 53, 54, 56, 55, 57, 58, 59, 62, 60, 61, 63
 66, 64, 65, 68, 71, 70, 73, 75, 74, 76, 77, 78, 79, 80, 81, 82, 84, 83



Automatic Evaluation - Classical Method - Individual trays are scored independently

Total error score: 196 - Probably normal. Below the 95% confidence level* (123 for age 39)

*Verma G. et al. A new assessment of the normal ranges of the Farnsworth-Munsell 100-Hue test scores. *Am J Optometry and Optician*. 63:655-642 (1982)

Automatic Evaluation according Török

Mid-point at cap 63, Bipolarity: 77.65 % (0-100%), Selectivity index: 1.24

Color Confusion Index (CCI = TES_{actual} / TES_{normal}): 1.59

Probably normal color discrimination.

Automatic Evaluation - Moment of Inertia Method

Angle: 43.0, Major Radius: 4.2, Minor Radius: 3.1, Total Error Score: 5.3, Selectivity Index: 1.34, Confusion Index: 1.67

Probably normal color discrimination.

Literature: Vingrys, A.J. and King-Smith, P.E. A quantitative scoring technique for panel tests of color vision. *Investigative Ophthalmology and Visual Science*, 1988, 29:650-653.

DONAHUE_000033

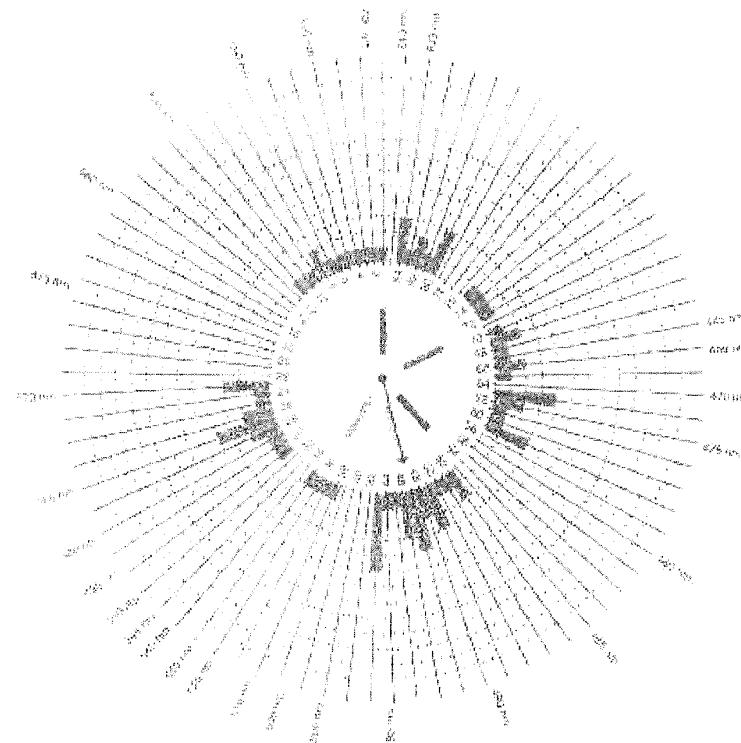
Farnsworth-Munsell 100-Hue Test / 2017-08-02

1978-05-27

Right eye

Order of color caps entered:

65, 1, 3, 4, 6, 2, 7, 5, 8, 10, 9, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21
 22, 23, 27, 25, 24, 26, 29, 30, 28, 31, 32, 33, 34, 35, 37, 36, 38, 39, 40, 41, 42
 43, 45, 47, 43, 46, 48, 50, 51, 49, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63
 64, 65, 67, 66, 69, 68, 70, 71, 72, 74, 73, 76, 77, 78, 79, 80, 84, 83, 81, 82

**Automatic Evaluation - Classical Method - Individual trays are scored independently**

Total error score: 88 - Probably normal. Below the 95% confidence level* (123 for age 39)

*Verner et al. A new assessment of the normal ranges of the Farnsworth-Munsell 100-Hue test scores. Ann J Ophthalmol. 93:635-642 (1982)

Automatic Evaluation according Török

Mid-point at cap 47. Bipolarity is less than 55 % (probably unipolar). Selectivity index is not calculated

Color Confusion Index (CCI = TES_{unipolar} / TES_{bipolar}): 1.52

Probably normal color discrimination.

Automatic Evaluation - Moment of Inertia Method

Angle: 57.2, Major Radius: 4.2, Minor Radius: 2.7, Total Error Score: 5.0, Selectivity Index: 1.55, Confusion Index: 1.65

Probably normal color discrimination.

Literature: Vingrys, A.J. and King-Smith, P.E. A quantitative scoring technique for panel tests of color vision. Investigative Ophthalmology and Visual Science, 1988, 29:50-63.

DONAHUE_000034

Name.....	Justina Donahue	Age.....	Date.....
85	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	19	8/17/17
37	73 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	43	
22	23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42	43	
43	44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 58 60 61 62	63	
45	46 43 44 47 48 49 50 52 51 53 54 56 55 57 59 58 63 60 61 62	64	
66	67 68 69 67 68 71 70 72 73 74 75 76 77 78 79 80 81 82 84 83	84	

Lab.....

Exp.....

613

606

810

641

FARNSWORTH-MUNSELL 100-HUE TEST

For Color Vision

MUNSELL COLOR, MACBETH DIVISION

1441 North Charles Street

Baltimore, Maryland 21218

as Test.....

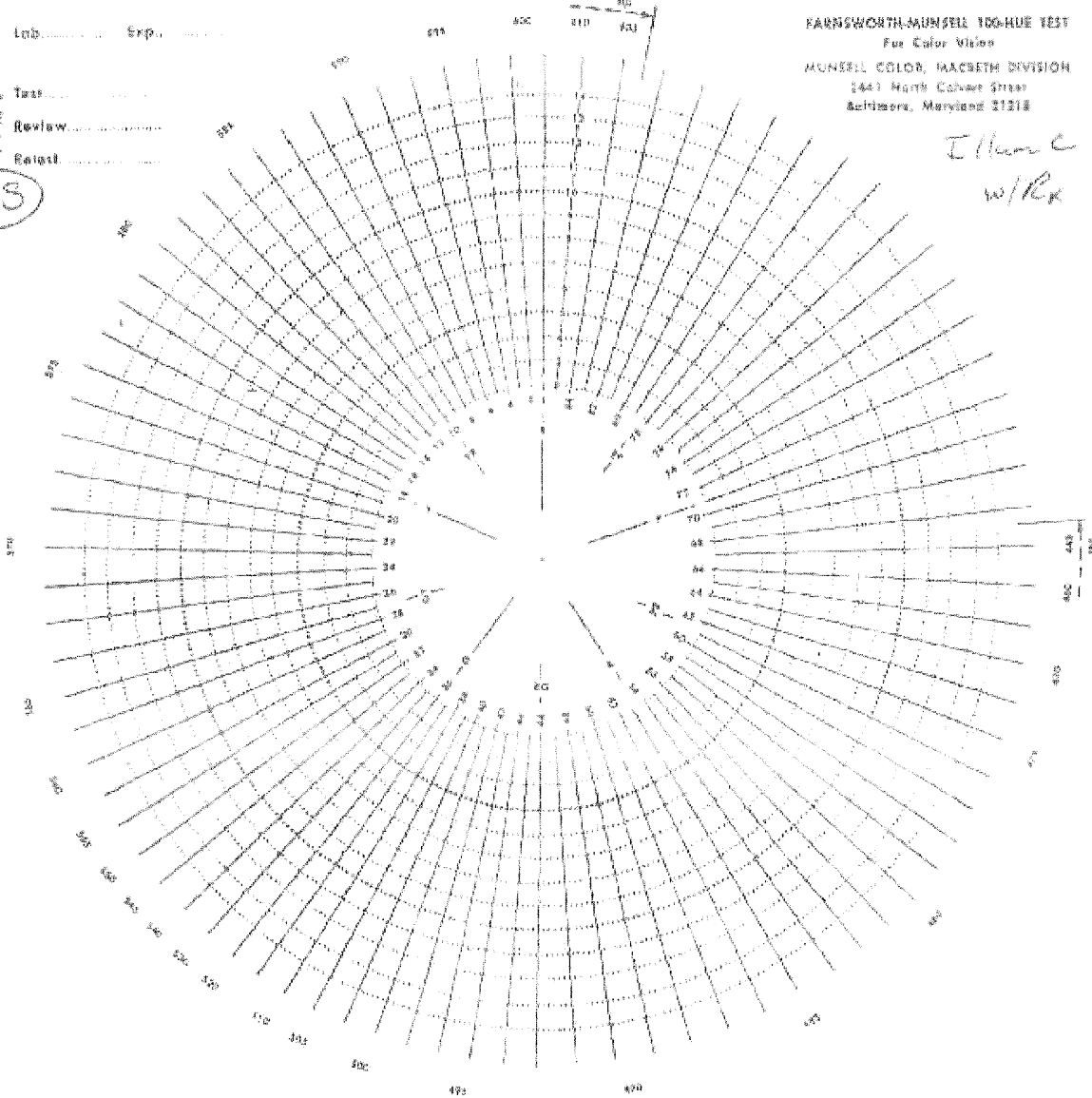
as Review.....

as Repeat.....

(05)

I HUE C

w/RK



Name: Justin Donahue Age: _____ Date: 8/1/2017

65	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	
43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	
64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	

Test _____ Exp. _____ Date _____ FARNSWORTH-MUNSELL 100-HUE TEST
For Color Vision

MUNSSELL COLOR, MACBETH DIVISION
2441 North Calvert Street
Baltimore, Maryland 21218

